

# BookletChart™

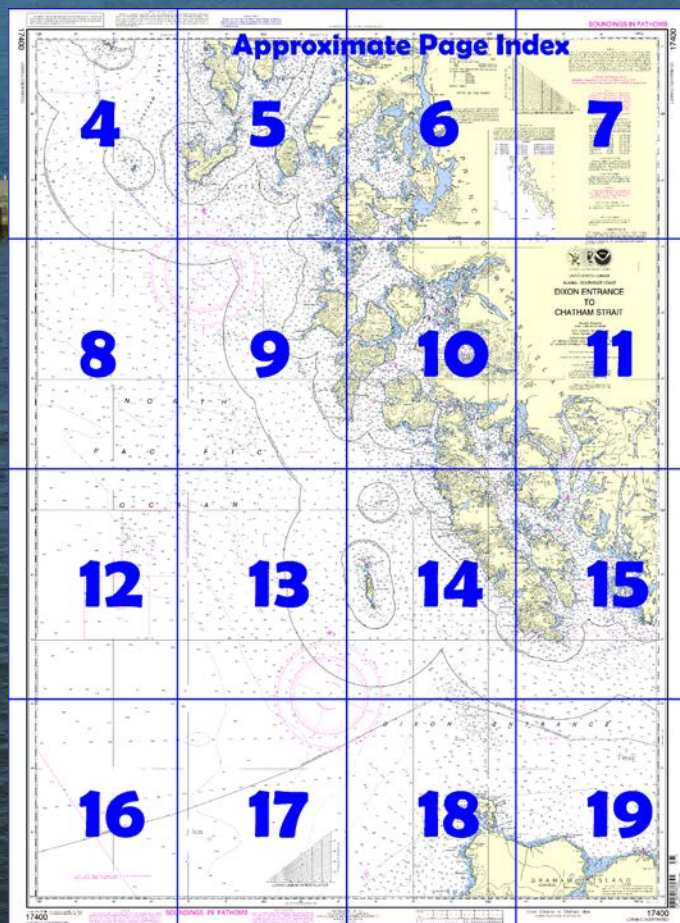
## Dixon Entrance to Chatham Strait NOAA Chart 17400



*A reduced-scale NOAA nautical chart for small boaters*  
*When possible, use the full-size NOAA chart for navigation.*



- Complete, reduced-scale nautical chart
- Print at home for free
- Convenient size
- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



**Published by the  
National Oceanic and Atmospheric Administration  
National Ocean Service  
Office of Coast Survey  
[www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov)  
888-990-NOAA**

**What are Nautical Charts?**

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

**What is a BookletChart™?**

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

**Notice to Mariners Correction Status**

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at <http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=17400>.



**(Selected Excerpts from Coast Pilot)**

**Dixon Entrance**, the S approach from the Pacific Ocean to the inner channels of southeastern Alaska and the N seaward approach to those of British Columbia, is entered between Queen Charlotte Islands on the S and Dall and Prince of Wales Islands on the N. It extends in a general E direction from Cape Muzon and Langara Island to Dundas Island, a distance of about 75 miles, with an average width of more than 30 miles; it then contracts to a

width of about 8 miles between Cape Fox and Dundas Island, and continues with this width to the mouth of Portland Inlet, a distance of 17 miles.

**The International Boundary Line between the United States and Canada runs through Dixon Entrance, Tongass Passage, Pearse Canal, and Portland Canal.**

**Bowie Seamount** (chart 531) is a sharp pinnacle with a depth of 13.9 fathoms in 53°17'58"N., 135°39'02"W.

**Learmonth Bank** is in the fairway of the W entrance of Dixon Entrance between 8 and 18 miles N of Langara Island and inside the 100-fathom curve. The bank is about 12 miles long, NW and SE, and about 5 miles wide. The least depth is about 19 fathoms over a bottom of sand, rock, and gravel.

**Dixon Entrance**, the flood current runs E around Langara Island and sets along the N shore of Graham Island. In the area about midway between Rose Spit and Dundas Island it divides: one part sets N past Dundas Island and the other S into Hecate Strait.

The turn of the current in the vicinity of Rose Spit coincides approximately with the times of high and low water. At times the streams run as high as 4 knots in the vicinity of Rose Spit, and cause heavy overfalls that have the appearance of shallow water in depths of 10 fathoms or more. This area should be navigated with great care. Give Rose Spit a wide berth.

At Cape Muzon the flood current sets around the cape NE and the ebb SW, with a velocity of about 2.4 knots at strength.

At Nunez Rocks and Cape Chacon the currents are irregular and affected by storms. The flood generally sets E or NE. From the cape to Nichols Bay there is apparently an eddy with a W set close to the shores.

Between the cape and the rock off the cape, the current apparently always runs W, although not strong during the last half of the flood. N of Cape Chacon an eddy runs to the S, close to the shore. Off the cape a current of 2 to 3 knots has been experienced.

On the ebb the general direction of the current is to the W. From Cape Chacon it runs in the direction of Nunez Rocks, probably forced to the S by the current from Nichols Bay; the latter sets E as far as the cape and then turns S. The current from the S entrance of Nichols Bay runs SE until it meets the main current when it turns W around Nunez Point. W of Nunez Rocks the ebb current is W, but is affected by currents from inlets; there are small eddies along shore.

Between Cape Chacon and Zayas Island on the S, and Duke Island and Cape Fox on the N, the tidal currents are much confused. In bad weather the heavy and confused sea sometimes looks like breakers.

Between Dundas Island and Cape Fox the flood current sets E with an average velocity at strength of 2 knots and the ebb current sets W with an average velocity at strength of 3 knots.

Additional information on currents in these waters is given in the Canadian Sailing Directions British Columbia (North), Volume II. Because of the numerous dangers and uncertain currents, navigation of Dixon Entrance at night or in thick or foggy weather is somewhat risky. In approaching from S, the light on Langara Island is a sufficient guide to the entrance. In approaching from W or NW, Forrester Island is a good landmark. The light on Cape Muzon and the light on Cape Chacon are good guides when in their vicinity, but the unmarked Nunez Rocks, about 3.2 miles SW from Cape Chacon, should be kept in mind. The light on Barren Island is also a good guide when going to the E part of Dixon Entrance; it is advisable to set a course SE of the island in passing. The high rugged coastline and the isolated islands are very good radar targets.

**U.S. Coast Guard Rescue Coordination Center  
24 hour Regional Contact for Emergencies**

RCC Juneau	Commander	
	17th CG District	(907) 463-2000
	Juneau, Alaska	



# Table of Selected Chart Notes

Corrected through NM Mar. 24/07  
Corrected through LNM Mar. 13/07

## HEIGHTS

Heights in feet above Mean High Water.

## WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

## AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

## RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

For Symbols and Abbreviations see Chart No. 1

## POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

## NOAA WEATHER RADIO BROADCASTS

The National Weather Service station listed below provides continuous weather broadcasts. The reception range is typically 20 to 40 miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Mt. McArthur, AK	KZZ-95	162.525 MHz
Sukkwai I, AK	KZZ-89	162.425 MHz
Cape Fanshaw, AK	KZZ-88	162.425 MHz
Zaremba I, AK	KZZ-91	162.450 MHz
Gravina I, AK	KZZ-96	162.525 MHz
Duke I, AK	KZZ-92	162.450 MHz
Wrangell, AK	WXJ-83	162.40 MHz
Craig, AK	KXI-80	162.475 MHz
Ketchikan, AK	WXJ-26	162.55 MHz

## NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 8. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 17th Coast Guard District in Juneau, Alaska, or at the Office of the District Engineer, Corps of Engineers in Anchorage, Alaska.

Refer to charted regulation section numbers.

## AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Geological Survey, U.S. Coast Guard, and Canadian Hydrographic Service.

## CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

## HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 1.284" southward and 6.095" westward to agree with this chart.

## SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

## FISHERY LIMIT

Fishery limit is the limit of the State of Alaska's fishery management authority (except for crabs) in accordance with Section 306(a) of the Fishery Conservation and Management Act, where that limit is seaward of the territorial sea.

## VESSEL TRANSITING

The U.S. Coast Guard and the Pacific States/British Columbia Oil Spill Task Force endorse a system of voluntary measures and minimum distances from shore for certain commercial vessels transiting along the coast anywhere between Cook Inlet, Alaska and San Diego, California. See U.S. Coast Pilots 8 and 9, Chapter 3 for details.

## LORAN-C

### GENERAL EXPLANATION

LORAN-C FREQUENCY ..... 100-KHz  
PULSE REPETITION INTERVAL ..... 59,900 Microseconds  
5990 ..... 79,600 Microseconds  
7960 .....  
STATION TYPE DESIGNATORS: (Not individual station letter designations)  
M ..... Master  
W ..... Secondary  
X ..... Secondary  
Y ..... Secondary  
Z ..... Secondary  
EXAMPLE: 7960-X

### RATES ON THIS CHART

5990-X 5990-Y 5990-Z  
7960-X 7960-Y

Loran-C correction tables published by the National Geospatial-Intelligence Agency or others should not be used with this chart. The lines of position shown have been adjusted based on survey data. Every effort has been made to meet the 1/4 nautical mile accuracy criteria established by the U.S. Coast Guard. Mariners are cautioned not to rely solely on the lattices in inshore waters.

## COLREGS, 80.1705 (see note A)

International Regulations for Preventing Collisions at Sea, 1972.

The entire area of this chart falls seaward of the COLREGS Demarcation Line.

Mercator Projection  
Scale 1:229,376 at Lat 55°

North American Datum of 1983  
(World Geodetic System 1984)

SOUNDINGS IN FATHOMS  
AT MEAN LOWER LOW WATER IN U.S. TERRITORY  
AT LOWEST NORMAL TIDES IN CANADIAN TERRITORY



## NOTE X

The 12 nautical mile territorial sea was established by Presidential Proclamation 5928, December 27, 1988, and is also the outer limit of the U.S. contiguous zone for the application of domestic law. The 3 nautical mile line, previously identified as the outer limit of the territorial sea, is retained because the proclamation states that it does not alter existing State or Federal law. The 9 nautical mile natural resources boundary off Texas, the Gulf coast of Florida, and Puerto Rico, and the 3 nautical mile line elsewhere remain the inner boundary of the Federal fisheries jurisdiction and the limit of states' jurisdiction under the Submerged Lands Act (P.L. 83-31; 67 Stat. 29, March 22, 1953). These maritime limits are subject to modification, as represented on future charts. The lines shown on the most recent chart edition take precedence.

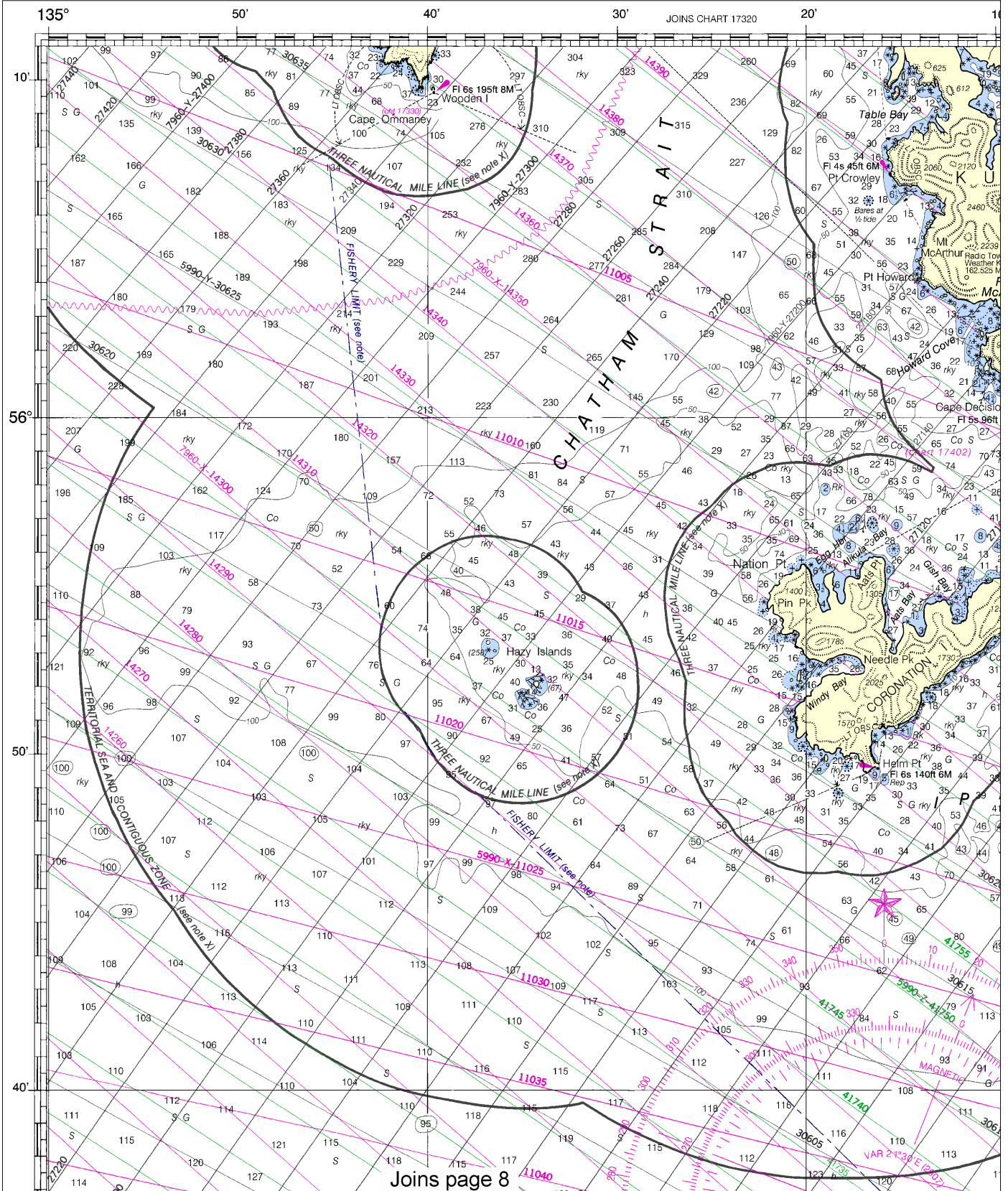
This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

PRINT-ON-DEMAND CHARTS  
NOAA and its partner, OceanGrafix, offer this chart updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 5-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts or contact NOAA at 1-800-584-4683, <http://NauticalCharts.gov>, [help@NauticalCharts.gov](mailto:help@NauticalCharts.gov), or OceanGrafix at 1-877-56CHART, <http://OceanGrafix.com>, or [help@OceanGrafix.com](mailto:help@OceanGrafix.com).

Fish  
author  
Fishery  
of the

17400

LO-RAN-C OVERPRINTED



4

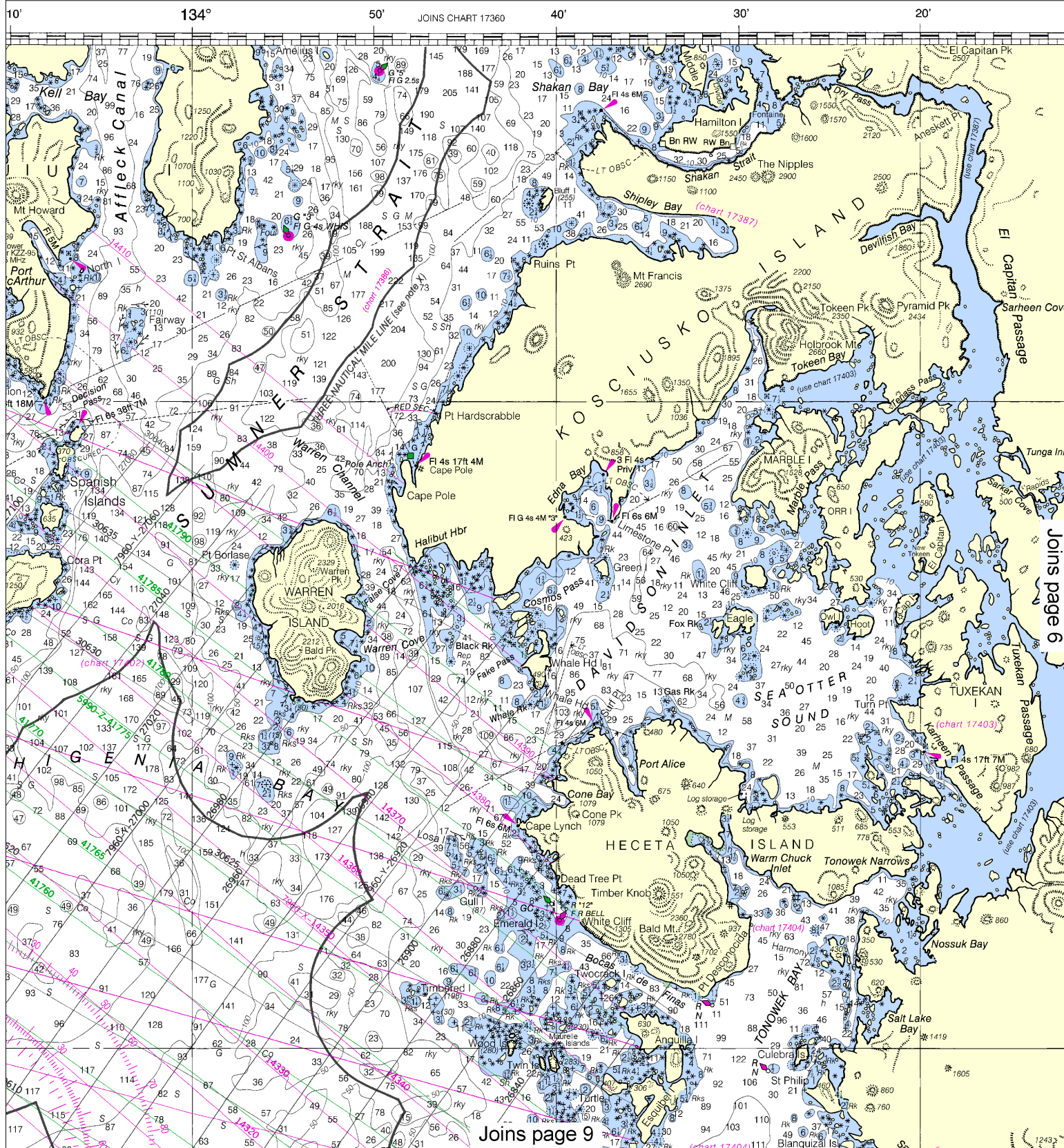
Note: Chart grid lines are aligned with true north.



# FISHERY LIMIT

fishery limit is the limit of the State of Alaska's fishery management authority (except for crabs) in accordance with Section 306(a) of the Fishery Conservation and Management Act, where that limit is seaward of the territorial sea.

Formerly C&GS 8152, 1st Ed., Oct., 1919 C-1925-263 KAPP 2715

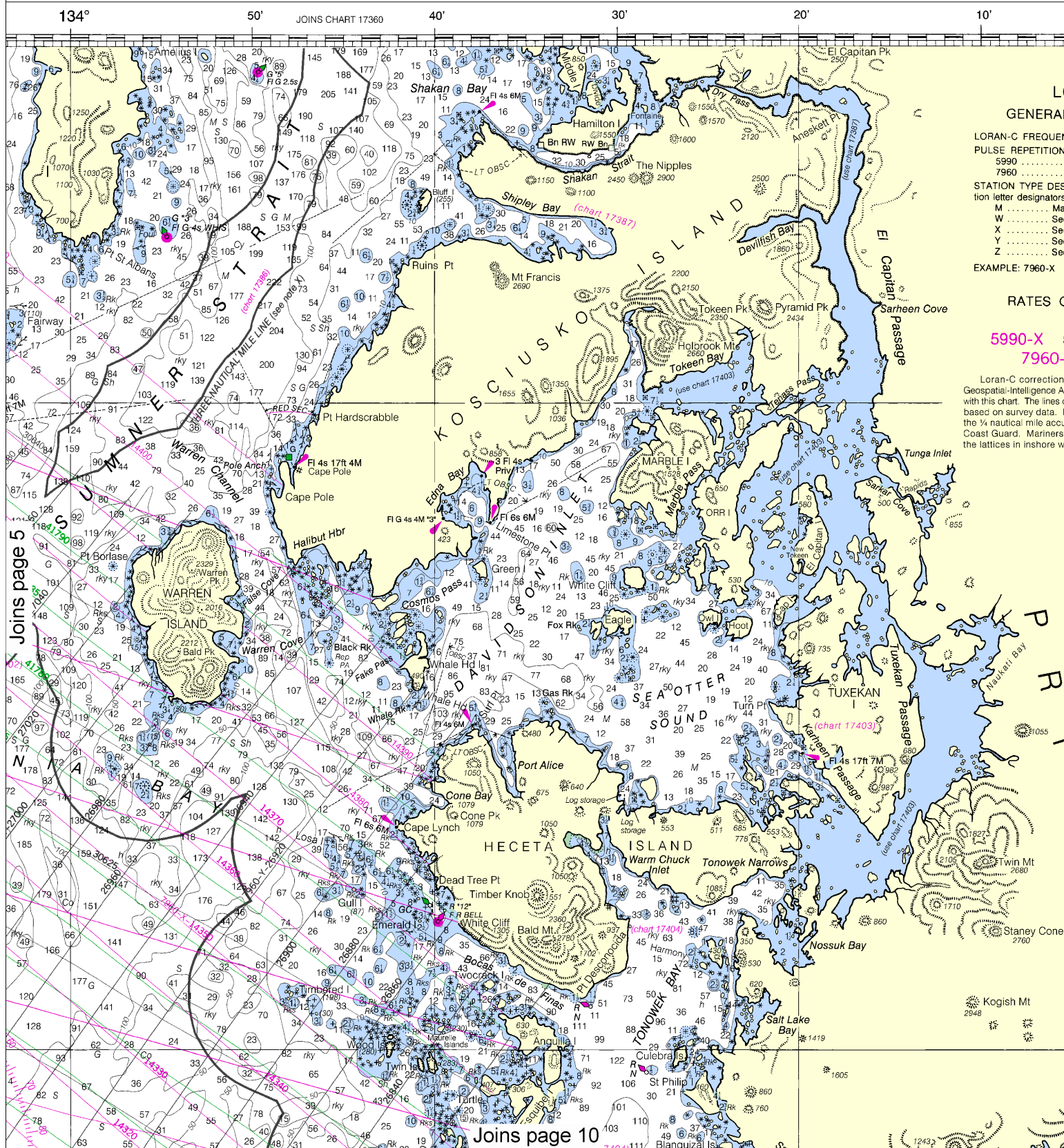


This BookletChart was reduced to 75% of the original chart scale.  
The new scale is 1:305835. Barscales have also been reduced and are accurate when used to measure distances in this BookletChart.



RY LIMIT  
 ate of Alaska's fishery management  
 cordance with Section 306(a) of the  
 ment Act, where that limit is seaward

Formerly C&GS 8152, 1st Ed., Oct., 1919 C-1925-263 KAPP 2715



# GENERAL

LORAN-C FREQUEN  
 PULSE REPETITION  
 5990 .....  
 7960 .....  
 STATION TYPE DES  
 tion letter designators  
 M ..... Ma  
 W ..... Sed  
 X ..... Sed  
 Y ..... Sed  
 Z ..... Sed  
 EXAMPLE: 7960-X

## RATES C

5990-X  
 7960-

Loran-C correction  
 Geospatial-Intelligence A  
 with this chart. The lines c  
 based on survey data. E  
 the 1/4 nautical mile accu  
 Coast Guard. Mariners  
 the lattices in inshore w

Joins page 5

Joins page 10

6

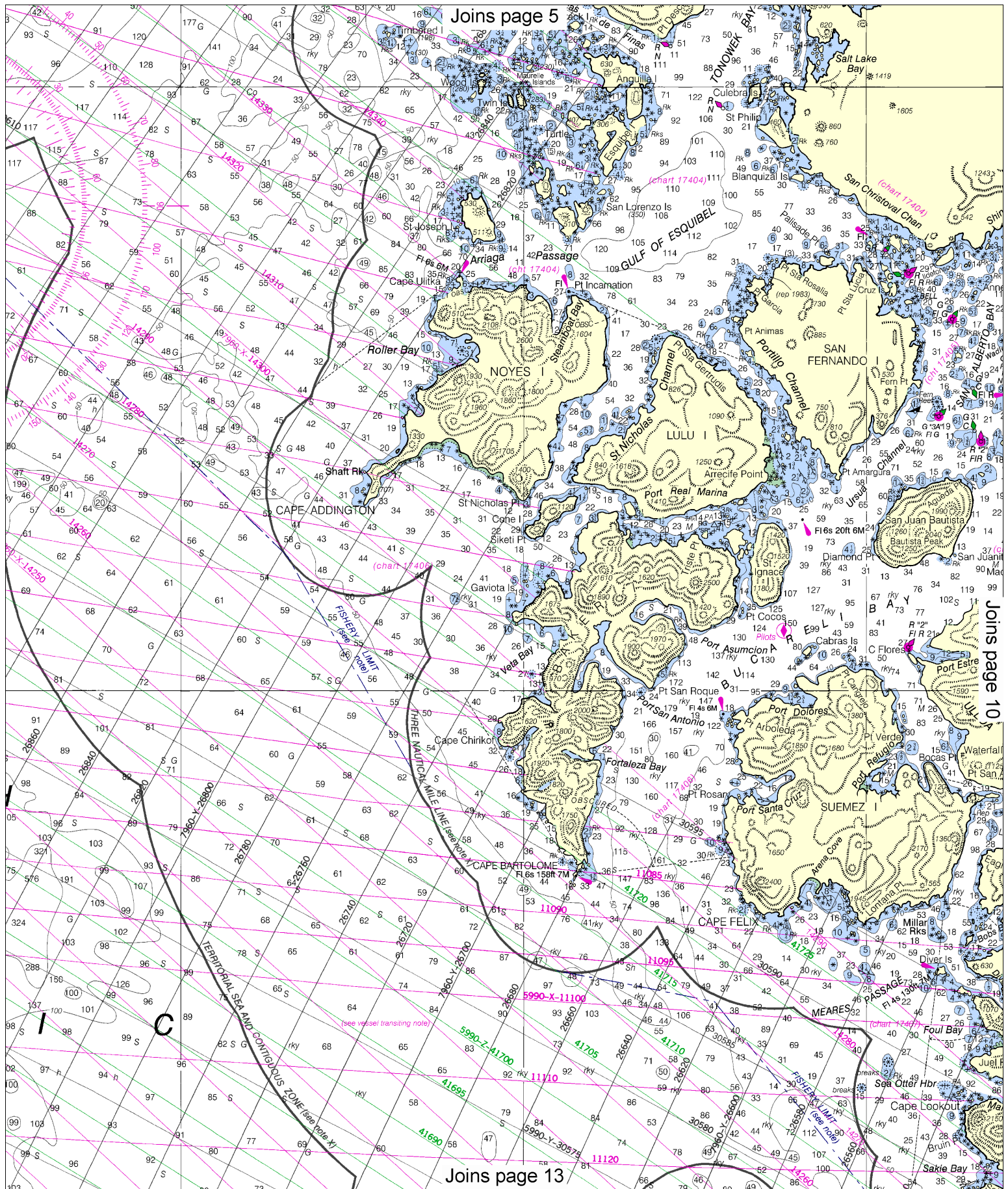
Note: Chart grid  
 lines are aligned  
 with true north.



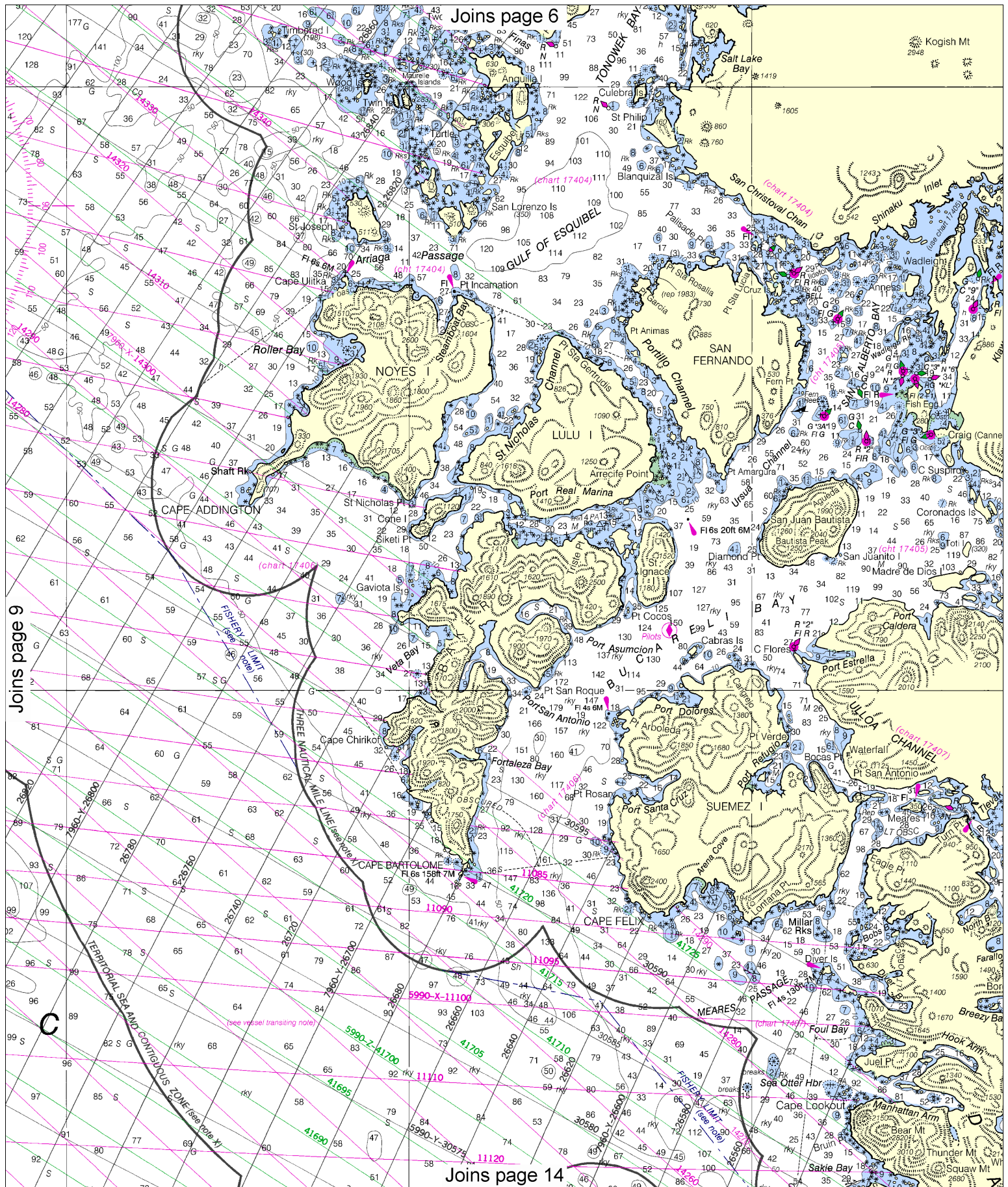












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Note: Chart grid lines are aligned with true north.





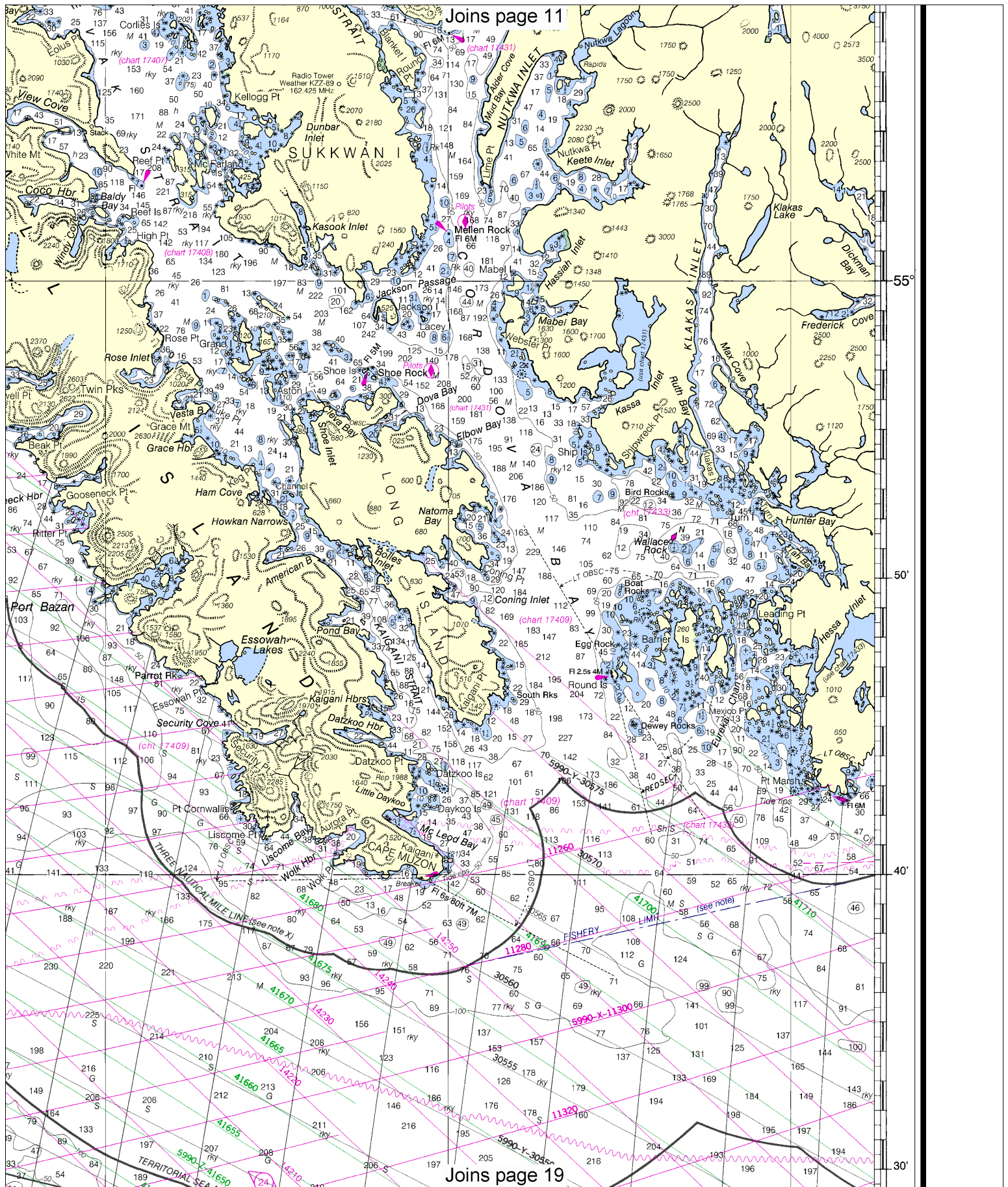




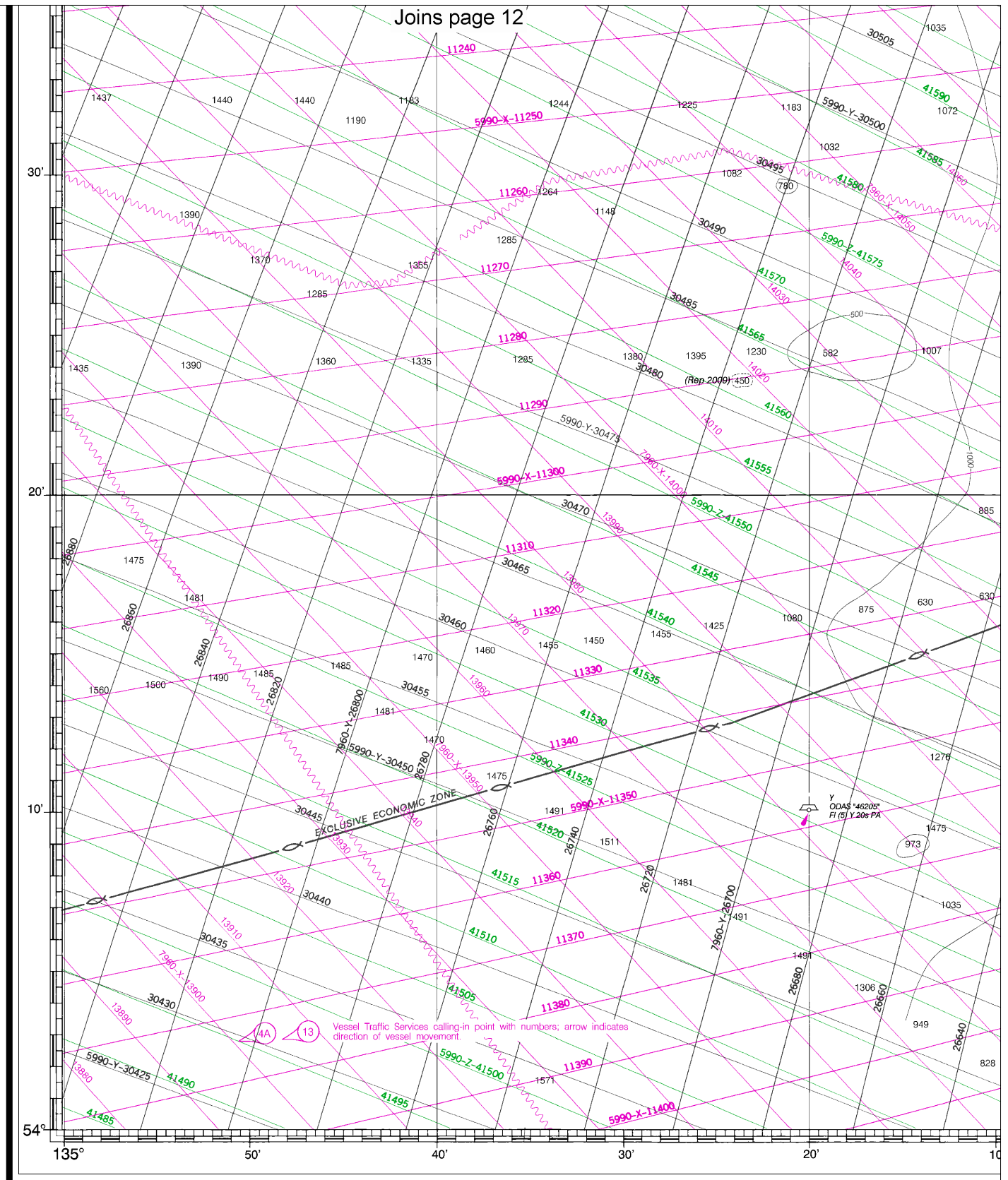




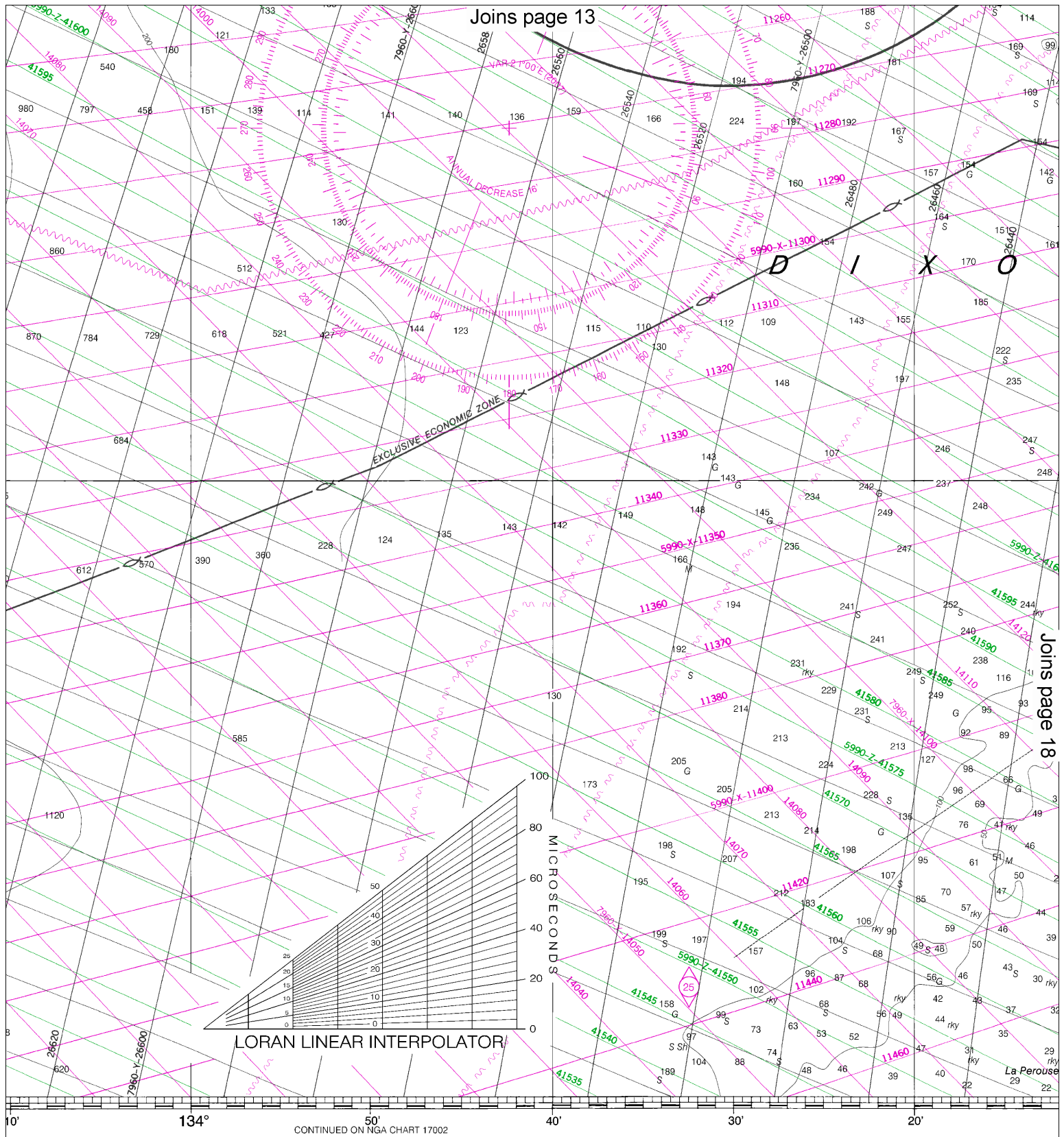




Joins page 12





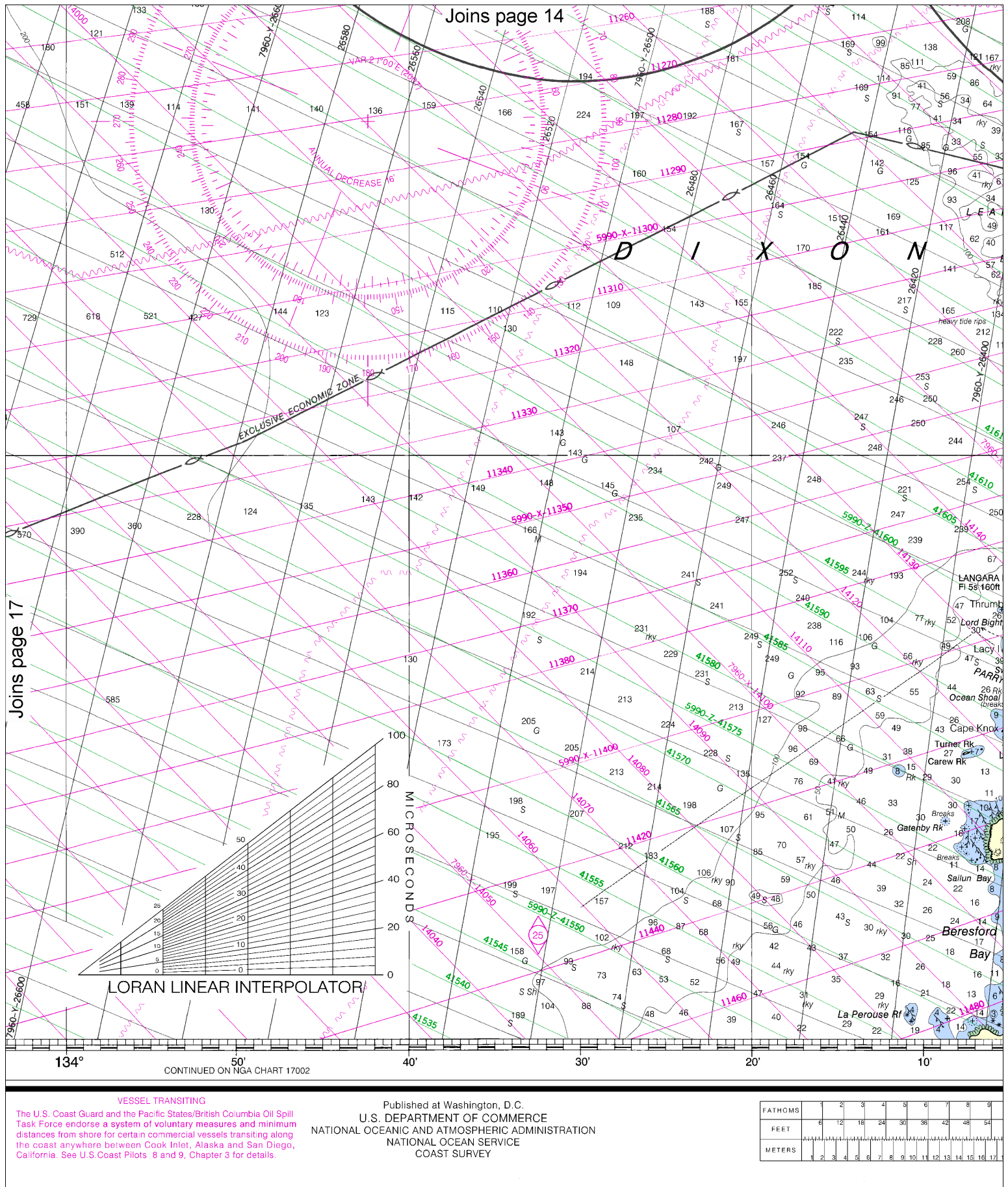


**THOMS**

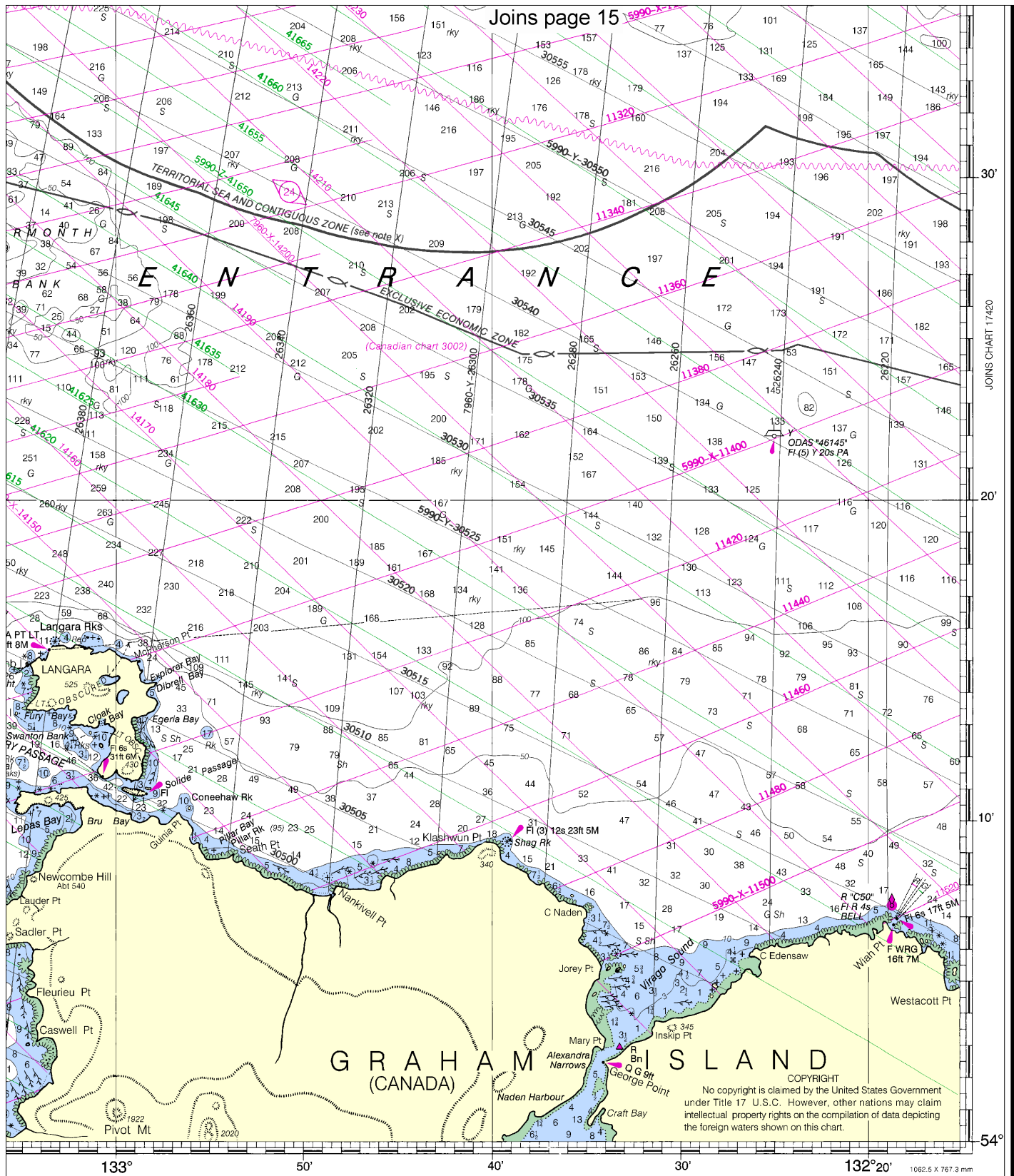
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 U.S. DEPARTMENT OF COMMERCE  
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
 NATIONAL OCEAN SERVICE  
 COAST SURVEY

FATHOMS	1	2	3	4
FEET	6	12	18	24
METERS	1	2	3	4







10	11	12	13	14	15	16	17
80	82	84	86	88	90	92	94
18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33

Dixon Entrance to Chatham Strait  
SOUNDINGS IN FATHOMS - SCALE 1:229,376

17400  
LORAN-C OVERPRINTED



ED NO. 17



NSN 764201401378  
NSA REFERENCE NO. 17AC017400



EMERGENCY INFORMATION

## VHF Marine Radio channels for use on the waterways:

**Channel 6** – Inter-ship safety communications.

**Channel 9** – Communications between boats and ship-to-coast.

**Channel 13** – Navigation purposes at bridges, locks, and harbors.

**Channel 16** – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other

vessels. Contact the other vessel, agree to another channel, and then switch.

**Channel 22A** – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.

**Channels 68, 69, 71, 72 and 78A** – Recreational boat channels.

**Getting and Giving Help** — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

## Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- Release transmit button.
- Wait for 10 seconds — If no response Repeat MAYDAY call.

**HAVE ALL PERSONS PUT ON LIFE JACKETS!**



**NOAA Weather Radio All Hazards (NWR)** is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

<http://www.nws.noaa.gov/nwr/>

## Quick References

Nautical chart related products and information	—	<a href="http://www.nauticalcharts.noaa.gov">http://www.nauticalcharts.noaa.gov</a>
Online chart viewer	—	<a href="http://www.nauticalcharts.noaa.gov/mcd/NOAAChartViewer.html">http://www.nauticalcharts.noaa.gov/mcd/NOAAChartViewer.html</a>
Report a chart discrepancy	—	<a href="http://ocsddata.ncd.noaa.gov/idrs/discrepancy.aspx">http://ocsddata.ncd.noaa.gov/idrs/discrepancy.aspx</a>
Chart and chart related inquiries and comments	—	<a href="http://ocsddata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs">http://ocsddata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs</a>
Chart updates (LNM and NM corrections)	—	<a href="http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html">http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html</a>
Coast Pilot online	—	<a href="http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm">http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm</a>
Tides and Currents	—	<a href="http://tidesandcurrents.noaa.gov">http://tidesandcurrents.noaa.gov</a>
Marine Forecasts	—	<a href="http://www.nws.noaa.gov/om/marine/home.htm">http://www.nws.noaa.gov/om/marine/home.htm</a>
National Data Buoy Center	—	<a href="http://www.ndbc.noaa.gov/">http://www.ndbc.noaa.gov/</a>
NowCoast web portal for coastal conditions	—	<a href="http://www.nowcoast.noaa.gov/">http://www.nowcoast.noaa.gov/</a>
National Weather Service	—	<a href="http://www.weather.gov/">http://www.weather.gov/</a>
National Hurricane Center	—	<a href="http://www.nhc.noaa.gov/">http://www.nhc.noaa.gov/</a>
Pacific Tsunami Warning Center	—	<a href="http://ptwc.weather.gov/">http://ptwc.weather.gov/</a>
Contact Us	—	<a href="http://www.nauticalcharts.noaa.gov/staff/contact.htm">http://www.nauticalcharts.noaa.gov/staff/contact.htm</a>



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This Booklet chart has been designed for duplex printing (printed on front and back of one sheet). If a duplex option is not available on your printer, you may print each sheet and arrange them back-to-back to allow for the proper layout when viewing.

NOAA's Office of Coast Survey



The Nation's Chartmaker